

**SCOPE OF ELECTRICAL WORK**

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**1. GENERAL**

- .1 Supply and Install all material, equipment, wiring and labour necessary for the installation of the systems detailed on the Drawings and included in the Specifications in accordance with the latest edition of the Canadian Electrical Code.

**2. WORK INCLUDED**

**2.1 General Requirements**

- .1 General Clean-up.
- .2 All inspection and other permits, licenses required by various Inspection Agencies and local regulations related to Electrical Trade.
- .3 Scaffolding.
- .4 Shop Drawings.
- .5 O&M Data, where specified.

**2.2 Specific Requirements Included But Not Limited to the Scope of Work**

- .1 Supply and Install two (2) 4160 V direct buried cables from 5 kV switch gear located in DBPS building to the distribution panel.
- .2 Supply and install outdoor power distribution panel (DP-L11) complete with two (2) 4160/600 V transformers, one (1) automatic transfer switch, 600 V panel board and breakers, 600/120-240 V transformer, 120/240 panel board and breakers, panel heater, pump control panel (LCP-L11), and WTP Network Communication panel (LCP-L11A).
- .3 Supply and install heater, power and lights in metering chamber.
- .4 Connect submersible pumps power and control cables.
- .5 Supply and install exterior lighting.
- .6 The Metering Chamber is classified as a Category 1 location. Construction methods and materials shall be suitable for the environment.
- .7 The Dewatering Pump Station is classified as a Category 2, Class 1, Zone 2 location. Construction methods and materials shall be suitable for the environment.
- .8 Supply and install direct buried cables to the 600V receptacles mounted on the Decant structures. The receptacles and cables are supplied and installed *under contract 34-2006*. *Contract 34-2006 shall coiled cable up, near the Distribution Enclosure, for final trenching and connection by the Contractor.*

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- .9 Supply and install direct buried power and control cables to the DBPS sanitary pumping station from DBPS.
- .10 The DBPS sanitary pumping station is classified as a Category 2, Class 1, Zone 2 location. Construction methods and materials shall be suitable for the environment.

**END OF SECTION**